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Patent Family:

| Patent No | Kind | Date     | Applicat No | Kind | Date | Week     |
|-----------|------|----------|-------------|------|------|----------|
| SU 979271 | A    | 19821207 |             |      |      | 198340 B |

Priority Applications (No Type Date): SU 2992513 A 19800708

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
| SU 979271 | A    |     | 3  |          |              |

Abstract (Basic): SU 979271 A

Hydrogen fluoride is purified by treating with air, an inert gas such as nitrogen or helium, or a mixt. of inert gas and air, at room temp. at a rate of passage of 20-480 l./hr. per kg. acid for 1hr.

The method removes arsenic in addn. to other impurities, and gives HF with a lower content of S than that obtd. in the previous method of treating it with gas at a rate of 40 ml.-1 l./hr. per kg. which could not remove arsenic.

Impurity levels of SO<sub>2</sub> 0.0002, arsenic 0.0068 and total impurities 0.0032% in acid contg. 46% HF can be reduced to S 1 x 10 power -6 and As 1 x 10 power -6 compared to previous S level of 0.0005-0.001%. Bul. 45/7.12.82. (3pp Dwg. No. 0/0)

Derwent Class: E32; E36

International Patent Class (Additional): C01B-007/19

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